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11 November 1955

SAPC 2603
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CMCC Doc. No. 151.735
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Dear George:

We are submitting in triplicate a proposal covering the procurement and fabrication of spare parts for System No. 1, and the provision of portable kits for housing such spares as may be required for base operations.

This proposal includes a Statement of Work, CMCC Doc. No. 1131.5; a list of Purchased Part Spares, CMCC Doc. No. 1132.13; a list of Fabricated Spare Parts, CMCC Doc. No. 1132.12; and a Summary of Estimated Price, CMCC Doc. No. 1132.11.

The total estimated cost of providing the parts required and the services necessary to the provision of kits and spare parts packaging is \$52,499.34; the corresponding fee is \$4,331.20. Work on the procurement and fabrication of spare parts and on the engineering required for the production of suitable kits will be initiated immediately upon receipt of your approval of such action.

Sincerely,

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Dean

Enclosures:

CMCC Doc. No. 1131.5,
Copies 1-3 of 5
CMCC Doc. No. 1132.13
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CMCC Doc. No. 1132.12
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CMCC Doc. No. 1132.11
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New proposal to be submitted
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**SPARES FOR 15 SYSTEMS
OF TYPE NO. 1**

Statement of Work

The contractor will supply spare parts and assemblies for System No. 1 in accordance with the two lists attached. The parts and quantities to be supplied are based on estimates of the parts and assemblies required for the maintenance of fifteen (15) systems for a period of approximately six (6) months.

The prices for the antennas, amplifiers, and test set are the same as have been included in previous proposals. The price for the recorders has been revised from the price previously included in proposals to reflect later information about the probable price of this unit.

The prices for the spare parts are estimates based on the cost of parts manufactured and purchased for assembly into systems to date. Actual prices of parts for spares may vary due to variation in sizes of lots manufactured or quantities of materials or parts ordered from vendors at any one time.

The contractor will design and supply three portable kits, each capable of holding one complete set of parts, for the purpose of providing greater accessibility of parts to personnel working in the field than normal packing will provide. Where a quantity greater than five is shown on the parts lists, approximately one-fifth of the quantity shown will be included in each kit.

The contractor will furnish three sets of parts assembled into the kits, and furnish the balance in a manner suitable for replenishing the kits as parts are used.

The contractor will design packaging for all parts suitable for domestic air shipment, and package the parts for assembly into the kits or for separate storage.

Where time or environmental conditions are known factors affecting the life or performance of a part, the contractor will include instructions on the outside of the package of the part to indicate its probable life or limiting conditions for storage.

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Page 1 of 2SPARES FOR 15 SYSTEMS
OF TYPE NO. 1
Purchased Parts

<u>MP Number</u>	<u>Description</u>	<u>Unit Price</u>	<u>Quantity</u>
<u>Antennas</u>			
MP 63001	Assembly - Coaxial Cable	\$ 1.50	30
MP 10105	Carrying Case - Container	7.95	3
MP 10153	Container - Parts	12.95	3
MP 55001	Crystal Diode	15.00	15
MP 55002	Crystal Diode	6.00	15
MP 10151	Mount - Crystal Diode	40.00	5
MP 10152	Mount - Crystal Diode	48.00	2
<u>Recorders</u>			
MP 10154	Brush - Commutator	\$.25	125
MP 30001	Capacitor - 15MFD, 75V	4.40	10
MP 30006	Capacitor - 6MFD, 40V	1.80	15
MP 30007	Capacitor - 20MFD, 10V	1.80	15
MP 65501	Crystal - 1KC	70.00	5
MP 10155	Filter - Line	10.00	5
MP 10156	Oil - Instrument (Bottles)	1.50	5
MP 20003	Resistor - 30 Ohm, 3W	.36	10
MP 20035	Resistor - Wire Wound - 1.5K Ohm, 1%	1.34	15
MP 20036	Resistor - Wire Wound - 3.3K Ohm, 1%	1.34	15
MP 10158	Shield - Tube	.80	15
MP 58001	Transformer	4.32	10
MP 50001	Transistor	11.25	30
MP 50002	Transistor	22.50	30
MP 40003	Toroid	6.22	10
MP 40004	Toroid	5.49	10
MP 45001	Tube - Sub-Miniature	9.40	30
<u>Amplifiers</u>			
MP 61003	Assembly - Coaxial Connector	\$.85	30
MP 10159	Assembly - Hood and Clamp	.77	30
MP 10160	Assembly - Hood and Clamp	.53	30
MP 30002	Capacitor - 1MFD, 150V	2.40	15
MP 30003	Capacitor - 4MFD, 150V	3.88	50
MP 30004	Capacitor - 100MFD, 50V	11.73	15
MP 30005	Capacitor - 2MFD, 100V	1.80	50
MP 30008	Capacitor - 25MFD, 180V	19.44	10

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<u>MP Number</u>	<u>Description</u>	<u>Unit Price</u>	<u>Quantity</u>
<u>Amplifiers</u>			
MP 55003	Crystal Diode	\$ 3.85	30
MP 64001	Delay Line	10.00	10
MP 62001	Plug	.70	30
MP 62002	Plug	.98	30
MP 61001	Receptacle (Jack)	1.08	30
MP 61002	Receptacle (Jack)	1.19	30
MP 55004	Rectifier - Power	15.00	20
MP 20001	Resistor - 43 Ohm, 3W	.36	10
MP 20002	Resistor - 6.8K Ohm, 3W	.33	10
MP 10157	Shield - Tube	.55	15
MP 58003	Transformer - Pulse	35.00	10
MP 58002	Transformer - Vibrator	35.00	10
MP 45002	Tube - Sub-Miniature	5.50	60
MP 65001	Vibrator	31.00	15

Test Set

MP 66501	Ammeter - 200 Micro-Ampere	\$ 15.00	5
MP 10161	Assembly - Blower and Motor	75.00	5
MP 67502	Attenuator - Coaxial	190.00	2
MP 67501	Attenuator - Power Set	55.00	2
MP 63002	Cable - 15 Ft.	10.64	10
MP 40005	Coil - Adjusting	1.00	5
MP 62003	Connector (Plug)	1.80	10
MP 55006	Crystal Diode	2.20	30
MP 45004	Klystron	171.00	5
MP 45005	Klystron	198.25	5
MP 66502	Meter - 1 Milliampere	12.80	5
MP 55005	Rectifier	3.19	5
MP 68001	Relay - Time Delay	9.47	5
MP 56001	Thermistor	7.35	5
MP 58004	Transformer	31.44	5
MP 58005	Transformer	35.63	5
MP 45006	Tube	1.90	5
MP 45007	Tube	2.20	5
MP 45008	Tube	7.25	5
MP 45009	Tube	14.65	5
MP 45003	Tube - Cathode Ray	14.50	5

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OF TYPE NO. 1
Fabricated Parts

<u>MP Number</u>	<u>Description</u>	<u>Unit Price</u>	<u>Quantity</u>
<u>Recorder</u>			
MP 10063	Arm - Spring (Sheet 3)	\$ 10.50	5
MP 10062	Arm - Sub Assy. (Sheet 3)	25.00	5
MP 10059	Assy. - Angle (Sheet 4)	7.25	5
MP 10050	Assy. - Capstan Drive (Sheet 2)	88.90	5
MP 10042	Assy. - Commutator	19.30	20
MP 10044	Assy. - Gear Box - Left	257.00	5
MP 10047	Assy. - Gear Box - Right	257.00	5
MP 10060	Assy. - Guide (Sheet 4)	23.75	5
MP 10061	Assy. - Guide (Sheet 4)	23.75	5
MP 10021	Assy. - Head Shield	1.90	5
MP 10018	Assy. - Housing Shield	40.00	5
MP 10022	Assy. - Lever Arm Shaft	14.20	5
MP 10041	Assy. - Loop Arm	201.13	5
MP 10046	Assy. - Loop Arm	201.13	5
MP 10039	Assy. - Mag. Hd. and Mtg. Plate (Erase) (Less head)	12.50	5
MP 10019	Assy. - Mag. Hd. and Mtg. Plate (Playback) (Less head)	12.50	5
MP 10037	Assy. - Mag. Hd. and Mtg. Plate (Record) (Less head)	12.50	5
MP 10048	Assy. - Motor Support (Less bracket assembly)	172.57	5
MP 10049	Assy. - Motor Support Bracket	57.75	5
MP 10017	Assy. - Mounting Plate and Bearing	56.00	5
MP 10012	Assy. - Retainer Reel	3.30	20
MP 10015	Assy. - Ring Gear and Reel	18.75	40
MP 10067	Assy. - Spring Catch	6.25	5
MP 10013	Assy. - Tape Guide	8.10	5
MP 10035	Assy. - Tape Guide Pins' Bracket (Erase)	8.75	5
MP 10034	Assy. - Tape Guide Pins' Bracket (Playback)	8.75	5
MP 10016	Assy. - Transition	28.65	5
MP 10028	Block - Lever and Plunger - Mounting	1.10	5
MP 10054	Bracket - Load Spring	1.00	5
MP 10003	Bracket - Left	8.75	5
MP 10005	Bracket - Plug	6.19	5
MP 10006	Bracket - Plug	6.19	5
MP 10004	Bracket - Right	8.75	5
MP 10043	Brush	1.00	100
MP 10071	Bushing - Reel	3.25	20
MP 10070	Cover - Bottom	40.00	5
MP 10008	Cover - Plug	5.47	5
MP 10007	Cover - Plug (Plugs extra)	5.47	5
MP 10069	Cover - Top	40.00	5
MP 10010	Hood - Rework	5.20	5
MP 10011	Hood - Rework	5.20	5
MP 10030	Knob - Plunger Shaft	2.25	5

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<u>MP Number</u>	<u>Description</u>	<u>Unit Price</u>	<u>Quantity</u>
<u>Recorders (Cont'd.)</u>			
MP 10023	Link - Cover Shaft	\$ 4.95	5
MP 10040	Magnetic Head (Erase)	45.00	5
MP 10020	Magnetic Head (Playback)	281.00	5
MP 10038	Magnetic Head (Record)	266.00	5
MP 10036	Nameplate - Cover Indicator	4.60	5
MP 10025	Pin - Cover Shaft	1.00	5
MP 10031	Plate - Guide	1.20	5
MP 10029	Plug - Spring Retainer	1.00	5
MP 10027	Plunger - Shaft	1.50	5
MP 10065	Roller - Assembly (Sheet 3)	9.50	5
MP 10026	Shaft - Shield Cover	1.00	5
MP 10066	Shaft - (Sheet 3)	1.10	5
MP 10064	Shaft - (Sheet 3)	11.00	5
MP 10057	Shaft - (Sheet 4)	4.75	5
MP 10051	Shield - Capstan (Sheet 2)	23.75	5
MP 10055	Spacer	.22	5
MP 10009	Spacer - Plugs	.48	5
MP 10068	Spacer - Spring Catch	.55	10
MP 10056	Spring	1.25	5
MP 10045	Spring	1.50	10
MP 10033	Spring - Head Adug. - Scr.	2.00	15
MP 10032	Spring - Plunger	2.00	5
MP 10072	Support - Reel	8.75	5
MP 10024	Support - Tape Guide Bracket	1.10	5
MP 10014	Washer	.60	20
MP 10053	Washer (Sheet 2)	.50	5
MP 10058	Washer (Sheet 4)	.08	5
MP 10052	Washer - Left	.50	5

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